

What is claimed is:

[Claim 1]

A method of providing a cellular phone communication network for designated participating users, each having a similarly equipped cellular phone that includes a CPU, GPS navigational system and a touch screen display comprising the steps of:

- a) providing for the selective polling of position and status information from one user among all of the other users equipped with cellular phone/PDA/GPS system and its associated software;
- b1) providing for the entering of other entities of interest into the cellular phone CPU and assigning the other entities of interest a category;
- b2) providing the latitude and longitude of the entities of interest along with their categories being automatically sent on the communications network;
- c) providing rapid call initiation to one or more locations whose phone number is available in a geographical referenced database using the touch screen;
- d) providing rapid call initiation to the users of the cellular phone/PDA/GPS network system using the touch screen;
- e) providing rapidly sent text messages, photographs, and video to another cellular phone using the touch screen;
- f) providing rapid conference calling multiple phones that are contained within the geographical referenced data base; and
- g) providing remote control from one cellular phone/PDA/GPS system to any of the other cellular phone/PDA/GPS system phones, including the ability to control remote cellular phones to make verbal announcements, display images, place return calls, place calls to another phone number, vibrate, change sound intensity and process and display pre-stored data, images and video.

[Claim 2]

A communication system to provide a cellular phone network for a group of participants, each of the participants having an individual portable cellular phone that includes a CPU and a GPS navigational system that can accurately determine the location of the cellular phone. Each of the cellular phones in the communications net of participants contains:

- a CPU and memory;
- a touch screen display;
- symbol generator in said CPU that can generate symbols that represent each of the participants in the communication network on the display screen;
- a database that stores the individual telephone numbers related to each of the symbols each of which represents a participant in the communication network;

cellular phone call initiating software in said CPU connected to the telephone number database and the touch screen and the symbols on the touch screen whereby touching an individual symbol will automatically initiate a cellular phone telephone call to the use represented by the symbol; and

said display including databases that display geographical information that includes showing the geographical location of each of the symbols representing participants in the communication network, fixed locations, and entered items of interest.

[Claim 3]

A communication network that includes said participants, each having a cellular phone as in Claim 2 further comprising:

said software for automatically initiating a cellular phone call to a user represented by a symbol includes initiating a conference call to one or more of the participants from a base phone by touching the specific symbols of those participants that will be participating in a conference call by touching the symbol of each of those users and providing a software switch to initiate the conference call by touching the screen whereby each of the initiated conference participants will be called by the base phone to establish a conference call.

[Claim 4]

A communication network using the cellular phone as in Claim 3 whereby the communication network can include a large number of participants in a conference call comprising:

conference call initiating software in said CPU that includes the transmission by touching the symbol of each of the participants of an 800 number that will be provided to each of the proposed conference call participants allowing them to call the 800 number to establish the conference call with the base phone.

[Claim 5]

A communication network as in Claim 2 including the cellular phone in Claim 1 that comprising:

said CPU including a software program to initiate a call to one of the participants represented by a symbol on said touch screen in conjunction with a software switch displayed on said touch screen and software to initiate the cellular phone call automatically that turns the remote cellular phone on or off and generates in the receiving remote cellular phone a pre-stored message that alerts the remote cellular phone user to call the initiator.

[Claim 6]

A method of establishing a cellular phone communication network for designated participants, each having a similarly equipped cellular phone that includes a CPU, a GPS navigation system and a touch screen display comprising the steps of:

- a) generating one or more symbols on the touch display screen, each representing a different participant that has a cellular phone that includes a CPU, a GPS system and touch screen display;
- b) providing and storing in each of the participant cellular phones one or more cellular phone telephone numbers, each cellular phone number of which relates to a different symbol of each of the participants in the communication network;
- c) providing initiating cellular phone calling software in each cellular phone that is activated by touching a symbol on the touch display that automatically initiates a cellular phone using the stored cellular phone number to the participant represented by the symbol; and
- d) generating a geographical location chart on said display screen to show the geographical location of each of the symbols representing the participants in the communication network by latitude and longitude.

[Claim 7]

The method of establishing a communication network as in claim 6 comprising the additional step of:

- e) providing conference call initiating software that allows each of the participants to initiate a conference call to other participants by touching each of the symbols on the touch screen representing participants who will participate in the conference call.

[Claim 8]

A method of establishing a communication network as in claim 6 including the step of:

- f) providing conference call initiating software for a large number of participants represented by the symbols on the touch screen in which each of the proposed conference call participants are established by touching the participant's symbol on the screen which causes the cellular phone initiating the conference call to transmit messages to each of the users represented by the touched symbols that tells each of the called participants through their cellular phones to call a particular 800 number to establish the conference call.

[Claim 9]

The method of providing a communication network as in claim 1 including the step of:

providing in each of the cellular phones a remotely activatable software program for turning the cellular phone on and off and that initiates a signal from the remote cellular phone displaying a pre-stored message and to call the initiating cellular phone; and

providing software that activates the remote cellular phone causing the remote cellular phone to generate said pre-stored message to the remote cellular phone user.

[Claim 10]

A cellular phone for use in a communication network for a plurality of participants comprising:

a cellular phone transmitter and receiver;

a small hand held portable housing containing said cellular phone transmitter and receiver;

a touch display screen mounted in said housing;

a modem connected to said cellular phone transmitter and receiver;

a CPU connected to said cellular phone transmitter and receiver;

a GPS navigation system connected to said CPU and to said cellular phone transmitter and receiver on said touch screen;

a database connected to said CPU that includes the symbol of a list of telephone numbers that relate to specific symbols;

a symbol generator connected to said CPU and said database for generating symbols on said touch screen, each of said symbols representing a participant in a communication network that has a cellular phone;

CPU software for selectively polling other participants with a cellular phone;

call initiating software connected through said CPU and said telephone database and said symbol generator whereby when a user touches the symbol displayed on a display screen the cellular phone call is automatically initiated to the cellular phone represented by the symbol; and

a geographical database connected to said CPU to provide a geographical display on said touch screen representing a defined geographical area that also displays symbols representing each of the participants that has an identical cellular phone by latitude and longitude.

[Claim 11]

A cellular phone as in Claim 10, including:

conference call initiating software connected to said CPU that allows the cellular phone user to initiate a conference call to a plurality of participants

represented by symbols by touching each of the symbols and initiating a conference call software switch.

[Claim 12]

A cellular phone as in Claim 10, including:

conference call initiating software for large number of conference call participants that allows the user of the cellular phone to initiate a conference call to the cellular phone users represented by the symbols on the screen by touching each of the symbols representing a participant in the conference call which initiates an automatic cellular phone call to the remote cellular phone users represented by the symbols displaying a text message to call a particular 800 number to establish the conference call.

[Claim 13]

A cellular phone as in Claim 10, including:

an emergency call initiating software connected to said CPU that includes a remote cellular phone activating signal for causing a remote cellular phone that is called by touching a symbol representing the cellular phone to be called to generate and play an audio message telling the remote cellular phone user that there is an emergency and to call the cellular phone initiator.

[Claim 14]

A cellular phone as in Claim 12, including:

providing the ability to pre-establish phone conferencing nets by touching the PDA display screen at a symbolic representation of the person(s) location or by selecting the parties from a list appearing on the PDA screen and assigning them to a software drawn switch made to appear on a PDA display screen; and

providing the ability to conference the participants previously assigned to a net by using a software drawn switch(es) for a conference call, whereby the user touches the net software switch to initiate the call to all of the participants on the net.

[Claim 15]

A layered set of software drawn switches as in Claim 14, including:

a set of layered software drawn switches so that each switch that when activated on the PDA overlays the previously drawn switches, thus providing the operator a large choice of switches in the same physical space on the PDA screen.